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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/625,288	07/23/2003	Robert G. Thompson	67,036-027; B05747-AT6	7894
26096	7590 03/15/2006		EXAM	INER
CARLSON, GASKEY & OLDS, P.C.			CASAREGOLA, LOUIS J	
400 WEST MAPLE ROAD SUITE 350			ART UNIT	PAPER NUMBER
BIRMINGHA	M, MI 48009		3746	

DATE MAILED: 03/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/625,288	THOMPSON, ROBERT G.	
Office Action Summary	Examiner	Art Unit	
	Louis J. Casaregola	3746	
The MAILING DATE of this communication apperiod for Reply	ppears on the cover sheet with the	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory perior Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 1.136(a). In no event, however, may a reply be ti d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDON	N. mely filed n the mailing date of this communication. ED (35 U.S.C.§ 133).	
Status			
1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) Th 3) Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matters, pr		
Disposition of Claims			
4) ⊠ Claim(s) <u>1-16</u> is/are pending in the application 4a) Of the above claim(s) <u>12-16</u> is/are withdrasts) ⊠ Claim(s) <u>7-11</u> is/are allowed. 6) ⊠ Claim(s) <u>1-2</u> is/are rejected. 7) ⊠ Claim(s) <u>3-6</u> is/are objected to. 8) □ Claim(s) are subject to restriction and an are subject.	awn from consideration.		
Application Papers			
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to th	ccepted or b) objected to by the		
Replacement drawing sheet(s) including the corre	•		
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bure. * See the attached detailed Office action for a list	nts have been received. nts have been received in Applica iority documents have been receiv au (PCT Rule 17.2(a)).	tion No red in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail D 8) 5) Notice of Informal 6) Other:	y (PTO-413) Date Patent Application (PTO-152)	

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Restriction Requirement

Restriction to one of the following inventions is required under 35 USC 121:

I. Claims 1-11 drawn to a method of operating a power plant classified in Class 60, subclass 773, and

II. Claims 12-16 drawn to a power plant classified in Class 60, subclass 39.281.

The inventions of Groups I and II above are distinct because the method of Group I could be practiced with apparatus materially different than that of Group II. The processor and controller in the claimed apparatus constitute automated control devices for calculating corrected speed and adjusting actual speed in response to the calculated speed. The corresponding step(s) in the claimed method could however be performed manually using simplified apparatus without automated control features.

Because these inventions are distinct for the reasons given above and require separate classification and/or divergent fields of search, restriction for examination purposes as indicated is proper.

On 3/9/06, applicants attorney, Mr. David Wisz, made a telephone election of the invention of Group I, claims 1-11. An action on the merits of these claims is presented below, and non-elected claims 12-16 are withdrawn from consideration.

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Claim Rejections - 35 USC 102

Claims 1 and 2 are rejected under 35 USC 102(b) as being anticipated by or Greune et al or Martin.

The claimed power plant operating method requires detecting an inlet temperature and varying shaft speed based on that temperature. These steps are present in the normal operation of conventional gas turbine power plants of the type disclosed in the cited references. Attention is called for example to Figure 1 of Geune; note speed governor 21 and corrective unit 20. The corrective unit adjusts or corrects the speed governor set point in response to inlet temperature as described in column 2, lines 39-63. Adjusting the governor set point in this manner will cause shaft speed to vary with temperature. Attention is additionally called to Figure 1 of Martin which shows a similar arrangement; set point 56 for speed governor 54 is corrected in response to inlet temperature by combining the output of function block 64 with speed reference signal 62. In regard to claim 2, it is further pointed out that the systems of both Greune and Martin operate to increase shaft speed as temperature increases. See for example, Greune's claim 4, which states that the desired speed signal is varied "in proportion to inlet temperature", and see also the positive slope of the speed correction characteristic in Martin's function block 64.

It is additionally noted that the claimed method is described as being "for controlling an auxiliary power unit (APU)"; see claim 1, line 1. This reference to an APU Application/Control Number: 10/625,288

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however does not define any specific method step or structure that would distinguish

the claimed power plant and its operation from the power plants in the cited prior art. As

stated on page 1 of the present specification, "[a]uxiliary power units (APUs) are gas

turbine engines often used in aircraft systems to provide pneumatic and shaft power in

addition to a main propulsion engine"; see page 1, lines 6-7. The rejected claims

however do not encompass anything beyond the operation of single engine, and the

claimed reference to an APU merely suggests a potential use. If a method comprising

the claimed operating steps is applicable to an engine providing some form of auxiliary

power, then prior art with equivalent operating steps can be presumed applicable for the

same purpose.

Allowable Subject Matter

Claims 7-11 are allowed. Claims 3-6 also contain allowable subject matter but

are objected to as depending from a rejected parent claim. If rewritten in independent

form, claims 3-6 will also be allowed.

L. J. Casaregola

571-272-4826 (M-F; 7:30-4:00)

571-273-8300 FAX

March 13, 2001

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If repeated attempts to reach the examiner by telephone are unsuccessful, the art unit supervisor, Timothy Thorpe, can be reached at 571-272-4444.

Information regarding the status of this application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR, and status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).